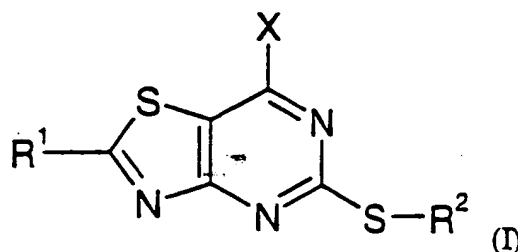


AMENDMENTS TO THE CLAIMS:

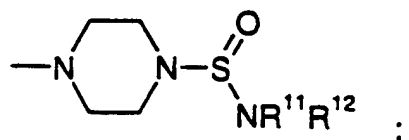
This listing of claims will replace all prior versions, and listings, of claims in the application:

1 (original). A compound of general formula



wherein R¹ represents a hydrogen atom, or a group -NR³R⁴;

R³ and R⁴ each independently represent a hydrogen atom, or a 4-piperidinyl, C₃-C₆ cycloalkyl or C₁-C₈ alkyl group, which latter two groups ^{is} (may be) optionally substituted by one or more substituent groups independently selected from halogen atoms and -NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, morpholinyl, C₁-C₄ alkyl, C₃-C₆ cycloalkyl, tetrahydrofuranyl and aryl groups, wherein an aryl substituent group ^{is} (may be) a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which ^{is} (may be) optionally substituted by one or more substituents independently selected from halogen atoms and cyano, nitro, -NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -NR⁸COR⁹, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, C₁-C₆ alkyl and trifluoromethyl groups, or R³ and R⁴ together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system, which ring system ^{is} (may be) optionally substituted by one or more substituent groups independently selected from



-NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -COOR¹⁰, -NR⁸COR⁹, and C₁-C₆ alkyl optionally substituted by one or more substituents independently selected from halogen atoms and -NR¹¹R¹² and -OR⁷ groups;

X represents a group -OH or -NR¹³R¹⁴;

R¹³ and R¹⁴ each independently represent a hydrogen atom, a 4-piperidinyl group optionally substituted by a C₁-C₄ alkylphenyl substituent group, or a C₃-C₇ carbocyclic, C₁-C₈ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl group, which latter four groups (may be) optionally substituted by one or more substituent groups independently selected from halogen atoms and -NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, morpholinyl, C₁-C₄ alkyl, C₃-C₆ cycloalkyl and aryl groups, wherein an aryl substituent group (may be) a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which (may be) optionally substituted by one or more substituents independently selected from halogen atoms and cyano, nitro, -NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -NR⁸COR⁹, -SO₂NR⁵R⁶, NR⁸SO₂R⁹, C₁-C₆ alkyl and trifluoromethyl groups,

or R¹³ and R¹⁴ together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system, which ring system (may be) optionally substituted by one or more substituent groups independently selected from -NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -COOR⁷, -NR⁸COR⁹, and C₁-C₆ alkyl

optionally substituted by one or more substituents independently selected from halogen atoms and phenyl, $-NR^{11}R^{12}$ and $-OR^7$ groups;

R^2 represents a C_1 - C_6 alkyl or C_2 - C_6 alkenyl group optionally substituted by a phenyl or phenoxy group, wherein the phenyl or phenoxy group^{is} (may itself be) optionally substituted by one or more substituents independently selected from halogen atoms and nitro, C_1 - C_6 alkyl, trifluoromethyl, $-OR^7$, $-C(O)R^7$, $-SR^{10}$, $-NR^{15}R^{16}$ and phenyl groups; R^5 and R^6 each independently represent a hydrogen atom or a C_1 - C_6 alkyl or phenyl group, each of which^{is} (may be) optionally substituted by one or more substituent groups independently selected from halogen atoms, phenyl, $-OR^{17}$ and $-NR^{15}R^{16}$, or R^5 and R^6 together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system optionally comprising a further heteroatom selected from oxygen and nitrogen atoms, which ring system^{is} (may be) optionally substituted by one or more substituent groups independently selected from phenyl, $-OR^{17}$, $-COOR^{17}$, $-NR^{15}R^{16}$, $-CONR^{15}R^{16}$, $-NR^{15}COR^{16}$, $-SONR^{15}R^{16}$, and C_1 - C_6 alkyl optionally substituted by one or more substituents independently selected from halogen atoms and $-NR^{15}R^{16}$ and $-OR^{17}$ groups;

R^7 and R^9 each independently represent a hydrogen atom or a C_1 - C_6 alkyl or phenyl group, each of which^{is} (may be) optionally substituted by one or more substituent groups independently selected from halogen atoms, phenyl, $-OR^{17}$ and $-NR^{15}R^{16}$; and each of R^8 , R^{10} , R^{11} , R^{12} , R^{15} , R^{16} and R^{17} independently represents a hydrogen atom or a C_1 - C_6 alkyl or phenyl group; with the proviso that when R^1 and X both represent $-NH_2$, then R^2 does not represent a methyl group;

or a pharmaceutically acceptable salt or solvate thereof.

2 (original). A compound according to claim 1, wherein R¹ represents a group -NR³R⁴.

131 3 (previously presented). A compound according to claim 1, wherein R³ and R⁴ each independently represent a hydrogen atom, or a 4-piperidiny, C₃-C₆ cycloalkyl or C₁-C₆ alkyl group, which latter two groups ^{is} (may be) optionally substituted by one, two, three or four substituent groups independently selected from halogen atoms and -NR⁵R⁶, -CONR⁵R⁶, -OR⁷ -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, morpholinyl, C₁-C₄ alkyl, C₃-C₆ cycloalkyl, tetrahydrofuranyl and aryl groups, wherein an aryl substituent group ^{is} (may be) a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which ^{is} (may be) optionally substituted by one, two, three or four substituents independently selected from halogen atoms and cyano, nitro, -NR⁵R⁶, -CONR⁵R⁶ -OR⁷, -NR⁸COR⁹, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, C₁-C₄ alkyl and trifluoromethyl groups. *

4 (previously presented). A compound according to claim 1, wherein R² represents a C₁-C₆ alkyl or C₂-C₆ alkenyl group optionally substituted by a phenyl or phenoxy group, wherein the phenyl or phenoxy group ^{is} (may itself be) optionally substituted by one, two, three or four substituents independently selected from halogen atoms and nitro, C₁-C₄ alkyl, trifluoromethyl, -OR⁷, -C(O)R⁷, -SR¹⁰, -NR¹⁵R¹⁶ and phenyl. *

131

5 (previously presented). A compound according to claim 1, wherein X represents $-NR^{13}R^{14}$ and R^{13} and R^{14} each independently represent a hydrogen atom, a 4-piperidinyl group optionally substituted by a C_1 - C_4 alkylphenyl substituent group, or a C_3 - C_7 carbocyclic, C_1 - C_6 alkyl, C_2 - C_6 alkenyl or C_2 - C_6 alkynyl group, which latter four groups (may be) optionally substituted by one, two, three or four substituent groups independently selected from halogen atoms and $-NR^5R^6$, $-CONR^5R^6$, $-OR^7$, $-COOR^7$, $-NR^8COR^9$, $-SR^{10}$, $-SO_2R^{10}$, $-SO_2NR^5R^6$, $-NR^8SO_2R^9$, morpholinyl, C_1 - C_4 alkyl, C_3 - C_6 cycloalkyl and aryl groups, wherein an aryl substituent group (may be) a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which (may be) optionally substituted by one, two, three or four substituents independently selected from halogen atoms and cyano, nitro, $-NR^5R^6$, $-CONR^5R^6$, $-OR^7$, $-NR^8COR^9$, $-SO_2NR^5R^6$, $NR^8SO_2R^9$, C_1 - C_4 alkyl and trifluoromethyl groups.

6 (original). A compound according to claim 1 being selected from:
(2R)-2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-7-yl]amino]-1-butanol,
(S)-2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-7-yl]amino]-1-butanol,
2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-d]pyrimidin-7(4H)-one,
5-[[[(3-Phenoxyphenyl)methyl]thio]thiazolo[4,5-d]pyrimidin-7(4H)-one,
2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo(4,5-d]pyrimidin-7(4H)-one,
(±)-2-[[2-Amino-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7-yl]amino]-1-butanol,

2-[[2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethanol,
5-(Pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[[3-(Dimethylamino)propyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-
one,
2-[[2-(Diethylamino)ethyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[[2-(Dimethylamino)ethyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[[3-Hydroxypropyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[[2-(Acetylamino)ethyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
(±)-2-[(2,3-Dihydroxypropyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[[2-(4-Morpholinyl)ethyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[(2-Methoxyethyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[(1-Methylethyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-(Cyclopropylamino)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
(±)-2-[(2-Hydroxypropyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-
one,
2-[(2-Hydroxy-2-methylpropyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-
one,
2-[(2-Hydroxyethyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
(2*S*,3*R*)-3-Hydroxy-2-[(7-oxo-5-(pentylthio)-4*H*-thiazolo[4,5-*d*]pyrimidin-2-yl]-
amino)butanamide,

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

*N*⁷-[3-(Dimethylamino)propyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
*N*⁷-[2-(Diethylamino)ethyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
*N*⁷-[2-(Dimethylamino)ethyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
3-[(2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl)amino]-1-propanol,
*N*⁷-Cyclohexyl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
(±)-3-[(2-Amino-5-((phenylmethyl)thio)thiazolo[4,5-*d*]pyrimidin-7-yl)amino]-1,2-
propanediol,
*N*⁷-(2-Methoxyethyl)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
5-(Pentylthio)-*N*⁷-propylthiazolo[4,5-*d*]pyrimidine-2,7-diamine,
*N*⁷-Cyclopentyl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
*N*⁷-Cyclopropyl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
*N*⁷-(2-Methylpropyl)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
(±)-1-[(2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl)amino]-2-propanol,
(*exo*)-*N*⁷-Bicyclo[2.2.1]hept-2-yl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
2-[2-[[2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethoxy]ethanol,
(±)-*N*⁷-(2-Methylbutyl)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
1-[[2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-2-propanol,
*N*⁷-[(2-Aminophenyl)methyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,
2-Amino-5-[(2-phenoxyethyl)thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
(*E*)-2-Amino-5-[(3-phenyl-2-propenyl)thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-Amino-5-[[3-[2,4-bis(1,1-dimethylethyl)phenoxy]propyl]thio]thiazolo[4,5-

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

d]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(4-trifluoromethyl)phenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(3,5-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2,4-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(3,4-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(3,5-dibromophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2-nitrophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2-fluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2-iodophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(3-chlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2-chlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(4-chloro-2-nitrophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(3-chloro-4-methoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2,3-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(3,5-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2,4-bis(trifluoromethyl)phenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2-bromophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-Amino-5-[[[(2,3,4-trifluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

2-Amino-5-[[[(3-bromophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
2-Amino-5-[[[(2-fluoro-3-methylphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-
one,
3-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2,2-dimethyl-
1-propanol,
(±)-α-[[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-
yl]amino]methyl]benzenemethanol,
β 1 (R)-β-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-
yl]amino]benzenepropanol,
2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl] amino]ethanol,
(2*R*)-2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]4-
methylpentanol,
(±)-1-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-
propanol,
(±)-β-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-
chlorobenzenepropanol,
(±)-3-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1,2-
propanediol,
2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]propylamino]ethanol,
(±)-1-[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-pyrrolidinol,
(±)-1-[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinol,

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

1-[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-piperidinol,
3-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-
2,2-dimethyl-1-propanol,
(±)-2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-
yl]amino]-1-butanol,
(±)-α-[[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-
amino]methyl]benzenemethanol,
4-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-
butanol,
6-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-
hexanol,
4-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-
amino]cyclohexanol,
(*R*)-β-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-
amino]benzenepropanol,
(±)-2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-
yl]amino]-1-propanol,
2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-
amino]ethanol,
(2*R*)-2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-
amino]-4-methylpentanol,

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

(±)-1-Amino-3-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,

(±)-1-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo(4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,

2-[[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]methyl]-2-ethyl-1,3-propanediol,

BI (±)-β-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-chlorobenzenepropanol,

(±)-3-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1,2-propanediol,

2-[[2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethyl]amino]ethanol,

3-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(±)-α-[[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]methyl]-3,4-dichlorobenzenepropanol,

1-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-2-propanol,

2-[2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethoxy]ethanol,

5-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

pentanol,

(2*S*)-2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-(methylthio)-1-butanol,

2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]butylamino]ethanol,

2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]propylamino]ethanol,

2,2'-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo(4,5-*d*]pyrimidin-7-yl]imino]bisethanol,

2-[[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-(2-hydroxyethyl)amino]methyl]phenol,

3-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-(2-hydroxyethyl)amino]-1-propanol,

(±)-1-[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-pyrrolidinol,

(*trans*)-1-[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-hydroxy-*L*-proline phenylmethyl ester,

(±)-1-[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinemethanol,

(±)-1-[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinol,

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

(2*S*)-1-[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-2-pyrrolidinemethanol,

1-[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-piperidinol,

(2*R*)-2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

β1

(2*S*)-2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

(2*R*)-2-[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1,3-propanediol,

2-[[2-Amino-5-[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

1-[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-2-propanol,

5-[(2,3-Difluorophenyl)methyl]thio]-*N*⁷-(2-fluoroethyl)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

(1*R-trans*) 2-[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

yl]amino]-cyclopentanol,

(1*S-trans*)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-cyclopentanol,

2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-Methyl-2-[[2-(methylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(phenylmethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

5-[[[(2,3-Difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

(±)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

(1*S,2S*)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-cyclohexanol,

(±)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-ethanol,

(2*R*)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

(±)-1-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

yl]amino]-2-propanol,

2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-

2-methyl-1,3-propanediol,

1-[[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino)methyl]-cyclohexanol,

(2*R*)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-1-butanol,

2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-(2-aminoethyl)amino]-1-ethanol,

2-[2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethoxy]-1-ethanol,

(α *S*)- α -{[(1*R*)-1-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]methylamino]ethyl]-benzenemethanol,

1-[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-piperidinol,

5-[[[(2,3-Difluorophenyl)methyl]thio]-*N*⁷-ethyl-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

5-[[[(2,3-Difluorophenyl)methyl]thio]-*N*⁷-(2-propenyl)-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

(1*S*,2*S*)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-phenyl-1,3-propanediol,

2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

1,3-propanediol,

2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-

1-ethanol,

(±)-5-[[[(2,3-Difluorophenyl)methyl]thio]-*N*⁷-(2-methoxy-1-methylethyl)-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

*N*⁷-Cyclopropyl-5-[[[(2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

(±)-2-[[2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

4-[[[(2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

5-[[[(2,3-Difluorophenyl)methyl]thio]-*N*⁷-[2-(1*H*-imidazol-4-yl)ethyl]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

(±)-*N*-[5-[[[(2,3-Difluorophenyl)methyl]thio]-7-[(2-hydroxy-1,1-dimethylethyl)amino]thiazolo[4,5-*d*]pyrimidin-2-yl]-serine, methyl ester,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(1-methylethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-(ethylamino)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(1*H*-indol-3-yl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

AUSTIN et al
Appl. No. 09/403,392
October 16, 2003

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(1-naphthalenylmethyl)amino]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(1,2-diphenylethyl)amino]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(2,2,2-trifluoroethyl)amino]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(3,4,5-
trimethoxyphenyl)methyl]amino]thiazolo[4,5-d]pyrimidin-7-yl]amino]-2-methyl-1-
propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(1,1-dimethylethyl)amino]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(4-methylcyclohexyl)amino]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-7-[(2-hydroxy-1,1-
dimethylethyl)amino]thiazolo[4,5-d]pyrimidin-2-yl]amino]-acetamide,

2-[[2-[[2-(4-Aminophenyl)ethyl]amino]-5-[(2,3-
difluorophenyl)methyl]thio]thiazolo[4,5-d]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(2-fluoroethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-(Cyclopropylamino)-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(±)-2-[[5-[(2,3-Difluorophenyl)methyl]thio]-7-[(2-hydroxy-1,1-dimethylethyl)amino]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-pentanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(2-hydroxyethoxy)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

N-[5-[(2,3-Difluorophenyl)methyl]thio]-6,7-dihydro-7-oxo-thiazolo[4,5-*d*]pyrimidin-2-yl]-DL-serine, methyl ester,

5-[(2,3-Difluorophenyl)methyl]thio]-2-[(1-methylethyl)amino]-thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

5-[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(1*H*-indol-3-yl)ethyl]amino]-thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-6,7-dihydro-7-oxo-thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-acetamide,

2-[[2-(4-Aminophenyl)ethyl]amino]-5-[(2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

5-[(2,3-Difluorophenyl)methyl]thio]-2-[(2-fluoroethyl)amino]-thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

5-[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(2-hydroxyethoxy)ethyl]amino]-thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

2-[[2-(Cyclohexylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl] amino]-2-

methyl-1-propanol,

2-[[2-[(1,1-Dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-2-methyl-1-propanol,

N-[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-

d]pyrimidin-2-yl]-DL-alanine, methyl ester,

4-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo(4,5-

d]pyrimidin-2-yl]amino]-cyclohexanol,

2-Methyl-2-[[2-[(4-phenylbutyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-1-propanol,

2-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[tetrahydro-2-furanyl)methyl]amino]thiazolo[4,5-

d]pyrimidin-7-yl]amino]-1-propanol,

2-Methyl-2-[[2-[(1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-1-propanol,

2-[[2-[[2-(4-Aminophenyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-2-methyl-1-propanol,

N-[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-

d]pyrimidin-2-yl]-L-valine, ethyl ester,

(2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-

d]pyrimidin-2-yl]amino]-4-methyl-pentanamide,

2-Methyl-2-[[2-[(2-phenylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-1-propanol,

2-[[2-[[4-Aminophenyl)methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-2-methyl-1-propanol,

2-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[(2-Fluoroethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-Methyl-2-[[2-[[3-(3-nitrophenyl)methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(*αR*)-*α*-[(1*S*)-1-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-

[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl] amino]ethyl]-benzenemethanol,

2-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[3,4,5-trimethoxyphenyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-Methyl-2-[[2-[(1*R*-trans)-(2-phenylcyclopropyl)amino]-5-

[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[[2-(1*H*-Indol-3-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[(1,1-Dimethylpropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(±)-2-Methyl-2-[[2-[(1-methylbutyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(±)-2-Methyl-2-[[2-[(1-methylhexyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[[2-(2-Aminophenyl)methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-

d]pyrimidin-2-yl]amino]-1,3-propanediol,

2-[[2-[[2-(Ethylthio)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-3,3-dimethyl-1-butanol,

(α *S*)- α -[(1*R*)-1-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-

[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-2-methoxyethyl]-

benzenemethanol,

2-[[2-(Ethylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[[[3-Fluoro-5-(trifluoromethyl)phenyl]methyl]amino]-5-

[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(\pm)-2-Methyl-2-[[2-[(1-methylpropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[[[4-Methoxyphenyl]methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[(2-Hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[(Diphenylmethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo(4,5-

d]pyrimidin-2-yl]amino]-1-butanol,
2-[[2-[(2,2-Diethoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,
4-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-butanol,
(1*S*,2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-cyclohexanol,
 (\pm) -2-[[2-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,
2-[[2-[(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,
 (\pm) -2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-pentanol,
2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-acetamide,
 (\pm) -2-[[2-[[1-(4-Fluorophenyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-propanol,
(1*R*,2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-cyclohexanol,
(α *S*)- α -[(1*R*)-1-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-benzenemethanol,
 (\pm) -2-[[2-(Methylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(2*R*)-4-Methyl-2-[[2-(methylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,

N-[2-(Methylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-L-serine, ethyl ester,

(±)-2-[[5-[(Phenylmethyl)thio]-2-[[[(tetrahydro-2-furanyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

β1 (±)-2-[[5-[(Phenylmethyl)thio]-2-[[[(tetrahydro-2-furanyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(2*R*)-4-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[[(tetrahydro-2-furanyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,

N-[5-[(Phenylmethyl)thio]-2-[[[(tetrahydro-2-furanyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]-L-serine, ethyl ester,

(±)-2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(±)-4-[2-[[7-[[1-(Hydroxymethyl)propyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-benzenesulfonamide,

(±)-4-[2-[[7-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-benzenesulfonamide,

4-[2-[[7-[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-benzenesulfonamide,

(±)-4-[2-[[7-[(2-Hydroxypropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-benzenesulfonamide,

*N*⁷-Ethyl-*N*²-[2-(1*H*-imidazol-4-yl)ethyl]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidine-

2,7-diamine,

N^2 -[2-(1*H*-Imidazol-4-yl)ethyl]-5-[(phenylmethyl)thio]- N^7 -(3-pyridinylmethyl)-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

(±)-2-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

(±)-2-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(2*R*)-2-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

(±)-1-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,

5-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,

1-[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-(phenylmethyl)-4-piperidinol,

(±)-1-[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinecarboxamide,

2-[Ethyl[2-[[2-(1*H*-imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-ethanol,

N^2 -[2-(1*H*-Imidazol-4-yl)ethyl]- N^7 , N^7 -dimethyl-5-[(phenylmethyl)thio]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

N^7 -[2-(Diethylamino)ethyl]- N^7 -ethyl- N^2 -[2-(1*H*-imidazol-4-yl)ethyl]-5-[(phenylmethyl)thio]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

N^2 -(2-Phenoxyethyl)-5-[(phenylmethyl)thio]- N^7 -(3-pyridinylmethyl)-thiazolo[4,5- d]pyrimidine-2,7-diamine,

N^2 -(2-Phenoxyethyl)- N^7 -[1-(phenylmethyl)-4-piperidinyl]-5-[(phenylmethyl)thio]-thiazolo[4,5- d]pyrimidine-2,7-diamine,

2-Methyl-2-[[2-[(2-phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]amino]-1-propanol,

(\pm) -2-[[2-[(2-Phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]amino]-1-propanol,

(\pm) -4-Methyl-2-[[2-[(2-phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]amino]-1-pentanol,

1-[2-[(2-Phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]-4-(phenylmethyl)-4-piperidinol,

2-[[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]amino]-1-butanol,

2-[[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo(4,5- d]pyrimidin-7-yl] amino]-1-propanol,

(2*R*)-2-[[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

N-[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]-L-serine, ethyl ester,

(2*R*)-2-[[2-[[1-(Hydroxymethyl)butyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

N-[2-[[1-(Hydroxymethyl)butyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5- d]pyrimidin-7-

yl]-L-serine, ethyl ester,

(±)-2-[[7-[Cyclohexyl(2-hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-
d]pyrimidin-2-yl]amino]-1-pentanol,

2-[2-[[7-(Ethylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-2-yl]amino]ethoxy-1-
ethanol,

2-[2-[[7-[(1-Methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-2-
yl]amino]ethoxy]-1-ethanol,

(±)-2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-1-butanol,

2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-7-
yl]amino]-2-methyl-1-propanol,

(2*R*)-2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-
d]pyrimidin-7-yl]amino]4-methyl-1-pentanol,

2-[Cyclohexyl-[2-[[2-(2-hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-
d]pyrimidin-7-yl]amino]-1-ethanol,

(±)-2-[[5-[(Phenylmethyl)thio]-2-(4-piperidinylamino)thiazolo[4,5-d]pyrimidin-7-yl]amino]-
1-propanol,

(±)-*N*-[2-[[7-[[1-(Hydroxymethyl)propyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-
d]pyrimidin-2-yl]amino]ethyl]-acetamide,

(±)-*N*-[2-[[7-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-
d]pyrimidin-2-yl]amino]ethyl]-acetamide,

N-[2-[[7-[(2-Hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-2-
yl]amino]ethyl]-acetamide,

N-[2-[[7-[[[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino]-5-

[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-acetamide,

*N*⁷-(2-Methoxyethyl)-5-[(phenylmethyl)thiol]-*N*²-[2-(2-thienyl)ethyl]thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

*N*⁷-(2-Ethoxyethyl)-5-[(phenylmethyl)thiol]-*N*²-[2-(2-thienyl)ethyl]thiazolo[4,5-*d*]pyrimidine-2,7-diamine, *

*N*⁷-(2,2-Dimethylpropyl)-5-[(phenylmethyl)thiol]-*N*²-[2-(2-thienyl)ethyl]thiazolo[4,5-*d*]pyrimidine-2,7-diamine, *

(2*R*)-4-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,

(±)-1-[[5-[(Phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,

(±)-2-[[5-[(Phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

(±)-2-[[5-[(Phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(2*R*)-2-[[2-[(2-Hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol, *

(±)-*N,N*-Diethyl-1-[2-[(2-hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinecarboxamide,

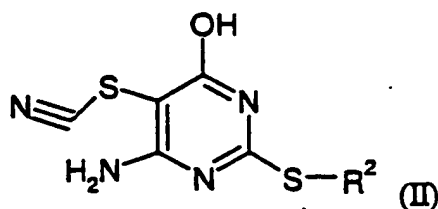
(2*R*)-2-[[2-[(3-Hydroxypropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

(±)-2-[[2-[(3-Hydroxypropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-

yl]amino]-1-butanol,
(±)-2-[[2-[(3-Hydroxypropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,
2-[[7-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl] amino-acetamide,
4-[1-[7-[(4-Methylcyclohexyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]-3-azetidiny]-1-piperazinesulfonamide,
31 3-[[2-[[2-(4-Morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,
2-Methyl-2-[[2-[[2-(4-morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,
(±)-2-[[2-[[2-(4-Morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,
(2*R*)-4-Methyl-2-[[2-[[2-(4-morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo(4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,
2-[[2-(3,4-Dihydroxyphenyl)ethyl]amino]-5-[(phenylmethyl)thio]-thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
(±)-2-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethy)thio]-thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
and their pharmaceutically acceptable salts and solvates.

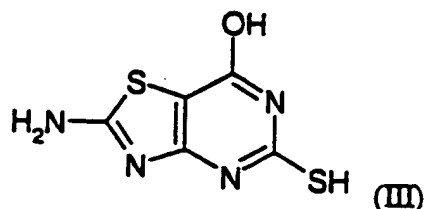
7 (original). A process for the preparation of a compound of formula (I) as defined in claim 1 which comprises:

(a) when X represents -OH and R¹ is NH₂, heating a compound of general formula



wherein R² is as defined in formula (I); or

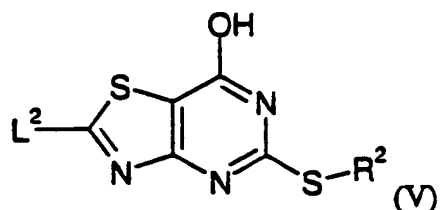
(b) when X represents -OH and R¹ is NH₂, reacting a compound of formula



with a compound of general formula (IV), R² - L¹, wherein L¹ represents a leaving group and R² is as defined in formula (I); or

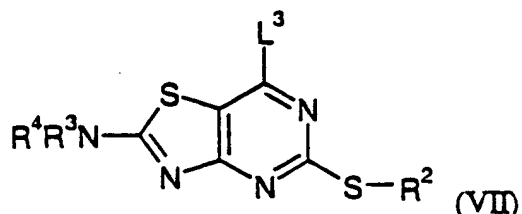
(c) when X represents -OH or -NR¹³R¹⁴ and R¹ is a hydrogen atom, reacting a corresponding compound of formula (I) in which R¹ is NH₂, with a diazotizing agent; or

(d) when X represents -OH and R¹ is a group -NR³R⁴, reacting a compound of general formula



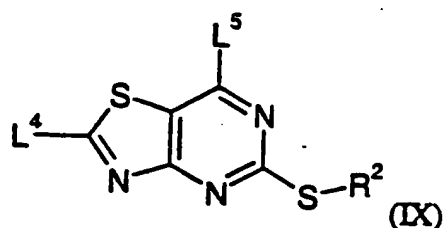
wherein L^2 represents a leaving group and R^2 is as defined in formula (I), with a compound of general formula (VI), R^3R^4NH , wherein R^3 and R^4 are as defined in formula (1); or

(e) when X represents $-NR^{13}R^{14}$ and R^1 represents $-NR^3R^4$, reacting a compound of general formula



wherein L^3 represents a leaving group and R^2 , R^3 and R^4 are as defined in formula (I), with a compound of general formula (VIII), $NHR^{13}R^{14}$, wherein R^{13} and R^{14} are as defined in formula (I); or

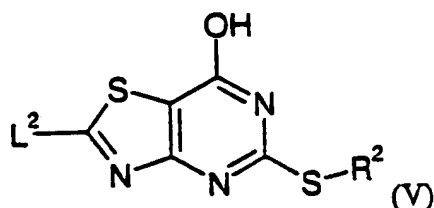
(f) when X represents $-NR^{13}R^{14}$ and R^1 represents $-NR^3R^4$, reacting a compound of general formula



wherein L^4 is a leaving group, L^5 is a leaving group and R^2 is as defined in formula (I), initially with a compound of formula (VI) as defined in (d) above followed by reaction with a compound of formula (VIII) as defined in (e) above;

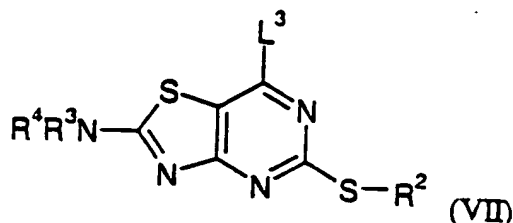
and optionally after (a), (b), (c), (d), (e) or (f) forming a pharmaceutically acceptable salt or solvate of the compound of formula (I).

8 (currently amended). An intermediate compound of formula (V) ~~as defined in claim 7.~~



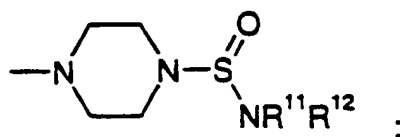
wherein L² represents a leaving group and R² represents a C₁-C₆ alkyl or C₂-C₆ alkenyl group optionally substituted by a phenyl or phenoxy group, wherein the phenyl or phenoxy group (may itself be) optionally substituted by one or more substituents independently selected from halogen atoms and nitro, C₁-C₆ alkyl, trifluoromethyl, -OR⁷, C(O)R⁷, -SR¹⁰, -NR¹⁵R¹⁶ and phenyl groups, wherein R⁷ is a hydrogen atom or a C₁-C₆ alkyl or phenyl group which (may be) optionally substituted by one or more substituent groups independently selected from halogen atoms, phenyl, -OR¹⁷ and -NR¹⁵R¹⁶, wherein each of R¹⁰, R¹⁵, R¹⁶, and R¹⁷ independently represent a hydrogen atom or a C₁-C₆ alkyl or phenyl group.

9 (currently amended). An intermediate compound of formula (VII) as defined in claim 7.



wherein L^3 represents a leaving group, R^2 represents a C_1 - C_6 alkyl or C_2 - C_6 alkenyl group optionally substituted by a phenyl or phenoxy group, wherein the phenyl or phenoxy group (may itself be) optionally substituted by one or more substituents independently selected from halogen atoms and nitro, C_1 - C_6 alkyl, trifluoromethyl, $-OR^7$, $C(O)R^7$, $-SR^{10}$, $-NR^{15}R^{16}$ and phenyl groups, wherein R^7 is a hydrogen atom or a C_1 - C_6 alkyl or phenyl group which (may be) optionally substituted by one or more substituent groups independently selected from halogen atoms, phenyl, $-OR^{17}$ and $-NR^{15}R^{16}$, wherein each of R^{10} , R^{15} , R^{16} , and R^{17} independently represent a hydrogen atom or a C_1 - C_6 alkyl or phenyl group, and R^3 and R^4 each independently represent a hydrogen atom, or a 4-piperidiny, C_3 - C_6 cycloalkyl or C_1 - C_8 alkyl group, which latter two groups (may be) optionally substituted by one or more substituent groups independently selected from halogen atoms and $-NR^5R^6$, $-CONR^5R^6$, $-OR^7$, $-COOR^7$, $-NR^8COR^9$, $-SR^{10}$, $-SO_2R^{10}$, $-SO_2NR^5R^6$, $-NR^8SO_2R^9$, morpholinyl, C_1 - C_4 alkyl, C_3 - C_6 cycloalkyl, tetrahydrofuranyl and aryl groups, wherein an aryl substituent group (may be) a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which (may be) optionally substituted by one or more substituents independently selected from halogen atoms and cyano, nitro, $-NR^5R^6$, $-CONR^5R^6$, $-OR^7$, $-NR^8COR^9$, $-SO_2NR^5R^6$, $-NR^8SO_2R^9$, C_1 - C_6 alkyl and trifluoromethyl groups, or R^3 and R^4 together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system, which

ring system^{is} (may be) optionally substituted by one or more substituent groups
independently selected from



B1 -NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -COOR¹⁰, -NR⁸COR⁹, and C₁-C₆ alkyl optionally substituted
by one or more substituents independently selected from halogen atoms and -NR¹¹R¹²
and -OR⁷ groups;

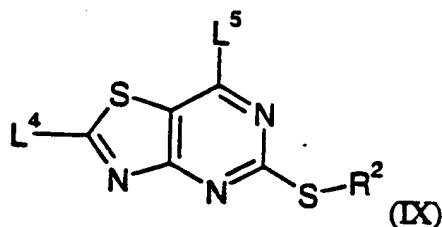
X represents a group -OH or -NR¹³R¹⁴;

R¹³ and R¹⁴ each independently represent a hydrogen atom, a 4-piperidinyl
group optionally substituted by a C₁-C₄ alkylphenyl substituent group, or a C₃-C₇
carbocyclic, C₁-C₈ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl group, which latter four groups
(may be) optionally substituted by one or more substituent groups independently selected
from halogen atoms and -NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -
SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, morpholinyl, C₁-C₄ alkyl, C₃-C₆ cycloalkyl and aryl
groups, wherein an aryl substituent group^{is} (may be) a phenyl, naphthyl, thienyl, pyridinyl, *
imidazolyl or indolyl group, each of which^{is} (may be) optionally substituted by one or more
substituents independently selected from halogen atoms and cyano, nitro, -NR⁵R⁶, -
CONR⁵R⁶, -OR⁷, -NR⁸COR⁹, -SO₂NR⁵R⁶, NR⁸SO₂R⁹, C₁-C₆ alkyl and trifluoromethyl
groups.

or R¹³ and R¹⁴ together with the nitrogen atom to which they are attached form a
4- to 7-membered saturated heterocyclic ring system, which ring system^{is} (may be) *

optionally substituted by one or more substituent groups independently selected from -
NR⁵R⁶, -CONR⁵R⁶, -OR⁷, -COOR⁷, -NR⁸COR⁹, and C₁-C₆ alkyl optionally substituted by
one or more substituents independently selected from halogen atoms and phenyl, -
NR¹¹R¹² and -OR⁷ groups.

10 (currently amended). An intermediate compound of formula (IX) as
defined in claim 7.



wherein L⁴ is a leaving group, L⁵ is a leaving group and R² represents a C₁-C₆
alkyl or C₂-C₆ alkenyl group optionally substituted by a phenyl or phenoxy group,
wherein the phenyl or phenoxy group (may itself be) optionally substituted by one
or more substituents independently selected from halogen atoms and nitro, C₁-C₆
alkyl, trifluoromethyl, -OR⁷, C(O)R⁷, -SR¹⁰, -NR¹⁵R¹⁶ and phenyl groups, wherein
R⁷ is a hydrogen atom or a C₁-C₆ alkyl or phenyl group which (may be) optionally
substituted by one or more substituent groups independently selected from
halogen atoms, phenyl, -OR¹⁷ and -NR¹⁵R¹⁶, wherein each of R¹⁰, R¹⁵, R¹⁶, and R¹⁷
independently represent a hydrogen atom or a C₁-C₆ alkyl or phenyl group

11 (previously presented). A pharmaceutical composition comprising a

compound of formula (I), or a pharmaceutically acceptable salt or solvate thereof, as claimed in claim 1 in association with a pharmaceutically acceptable adjuvant, diluent or carrier.

12 (currently amended). A process for the preparation of a pharmaceutical composition as claimed in claim 11 which comprises mixing a compound of formula (I), or a pharmaceutically acceptable salt or solvate thereof, as ~~defined above~~ claimed in claim 1 with a pharmaceutically acceptable adjuvant, diluent or carrier.

13-14 (deleted)

15 (previously presented). A method of treating a chemokine mediated disease wherein the chemokine binds to a CXCR2 receptor, which comprises administering to a patient a therapeutically effective amount of a compound of formula (I), or a pharmaceutically acceptable salt or solvate thereof, as claimed in claim 1.

16 (previously presented). A method of treating an inflammatory disease in a patient suffering from, or at risk of, said disease, which comprises administering to the patient a therapeutically effective amount of a compound of formula (I), or a pharmaceutically acceptable salt or solvate thereof, as claimed in claim 1.

17 (original). A method according to claim 16, wherein the disease is psoriasis.